ATM-1022 Mechanical Workshop

Module 5

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade & Section: \_\_\_\_\_\_\_

**Question 1: Fill in the blanks.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Rasp file** | **Half-round file** | **Hand file** | **File** | **Flat file** | **pining** |

1. **\_\_\_\_\_\_\_\_\_** has double cut teeth on two faces and single cut teeth on two

Side.

2- **\_\_\_\_\_** \_ is commonly used for the cutting off soft materials such as wood, PVC and rubber.

3- A **\_\_\_\_\_\_\_\_\_\_\_** is a metalworking tool used to cut fine amount of material from a work piece

4 \_\_\_\_\_\_\_\_\_in section and parallel in width.

5- **\_\_\_\_\_\_\_\_\_\_\_** is used for forming radii and grooves.

6- When filing the soft metals, the small particles of metal will tend to clog the teeth and this is called **\_\_\_\_\_\_\_\_\_\_.**

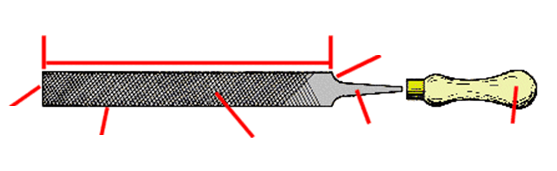
**Question 2: Fill in the table below**

|  |  |  |
| --- | --- | --- |
| **Grades** | **Pictures** | **Description** |
|  | s11 |  |
|  | d1 |  |
|  | rasd |  |

**Question 3: Fill in the table below.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Cross section** | **Uses** | **Cut Pattern** |
| Hand File |  |  |  |
| Flat File |  |  |  |
| Half-round file |  |  |  |
| Mill File |  |  |  |
| Round File |  |  |  |
| Square File |  |  |  |
| Three Square file |  |  |  |
| Needle File |  |  |  |

**Question 4 : Name the parts shown by the arrows.**



**Question 5 : Complete the table**

|  |  |  |
| --- | --- | --- |
| **Method of Filing** | **Figure** | **Description** |
|  |  |  |
|  |  |  |
|  | Filing Method for external curve |  |
|  | filingcurve |  |

**Question 6: Answer the following questions:**

1. Define a file.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. What points should be taken into consideration when identifying a file?

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1. State the 8 steps for filing

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1. State four safety rules we should follow when using files.

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**Question 7 : Write (T) for True and (F) for False sentences.**

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| --- | --- | --- |
| No. | **Statement** | **T / F** |
| 1 | Hand file is a half-round in section and parallel in width. |  |
| 2 | Flat file is a rectangular in section and tapered in width |  |
| 3 | A double cut file has one set of teeth cut at 70 degrees |  |
| 4 | Files with a rougher grade of cut give a poor surface finish |  |
| 5 | A file with a short length would have a coarser pitch than a longer one |  |
| 6 | The pining can be removed with a handle of file |  |
| 7 | The pining can be removed with a file card |  |
| 8 | A single cut is suitable for soft metals. |  |